Marianthi-Anna Kioumourtzoglou

List of Publications by Year
in descending order

89 papers	3,386 citations	172207 29 h-index	155451 55 g-index
91 all docs	91 docs citations	91 times ranked	5002 citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term PM $_{2.5}$ Exposure and Neurological HospitalAdmissions in the Northeastern United States. Environmental Health Perspectives, 2016, 124, 23-29.	2.8	353
2	Acute effects of fine particulate matter constituents on mortality: A systematic review and meta-regression analysis. Environment International, 2017, 109, 89-100.	4.8	218
3	The relation between past exposure to fine particulate air pollution and prevalent anxiety: observational cohort study. BMJ, The, 2015, 350, h1111.	3.0	216
4	Long-term effects of PM2·5 on neurological disorders in the American Medicare population: a longitudinal cohort study. Lancet Planetary Health, The, 2020, 4, e557-e565.	5.1	151
5	The Association Between Air Pollution and Onset of Depression Among Middle-Aged and Older Women. American Journal of Epidemiology, 2017, 185, 801-809.	1.6	140
6	Diabetes Mellitus, Obesity, and Diagnosis of Amyotrophic Lateral Sclerosis. JAMA Neurology, 2015, 72, 905.	4.5	128
7	Exposure measurement error in PM2.5 health effects studies: A pooled analysis of eight personal exposure validation studies. Environmental Health, 2014, 13, 2.	1.7	118
8	PM2.5and mortality in 207 US cities. Epidemiology, 2015, 27, 1.	1.2	98
9	Short- and intermediate-term exposure to NO2 and mortality: A multi-county analysis in China. Environmental Pollution, 2020, 261, 114165.	3.7	94
10	Air Pollution and Autism Spectrum Disorders: Causal or Confounded?. Current Environmental Health Reports, 2015, 2, 430-439.	3.2	93
11	The association of long-term exposure to PM2.5 on all-cause mortality in the Nurses' Health Study and the impact of measurement-error correction. Environmental Health, 2015, 14, 38.	1.7	84
12	The association of urine metals and metal mixtures with cardiovascular incidence in an adult population from Spain: the Hortega Follow-Up Study. International Journal of Epidemiology, 2019, 48, 1839-1849.	0.9	75
13	An overview of methods to address distinct research questions on environmental mixtures: an application to persistent organic pollutants and leukocyte telomere length. Environmental Health, 2019, 18, 76.	1.7	70
14	Low Levels of Air Pollution and Health: Effect Estimates, Methodological Challenges, and Future Directions. Current Environmental Health Reports, 2019, 6, 105-115.	3.2	62
15	Prenatal Metal Concentrations and Childhood Cardiometabolic Risk Using Bayesian Kernel Machine Regression to Assess Mixture and Interaction Effects. Epidemiology, 2019, 30, 263-273.	1.2	62
16	A cross-sectional study of water arsenic exposure and intellectual function in adolescence in Araihazar, Bangladesh. Environment International, 2018, 118, 304-313.	4.8	59
17	Association of Exposure to Diethylstilbestrol During Pregnancy With Multigenerational Neurodevelopmental Deficits. JAMA Pediatrics, 2018, 172, 670.	3.3	57
18	PM2.5 and Survival Among Older Adults. Epidemiology, 2015, 26, 321-327.	1.2	56

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19	Live-Birth Bias and Observed Associations Between Air Pollution and Autism. American Journal of Epidemiology, 2018, 187, 2292-2296.	1.6	56
20	Complex Mixtures, Complex Analyses: an Emphasis on Interpretable Results. Current Environmental Health Reports, 2019, 6, 53-61.	3.2	52
21	Impacts of air pollution, temperature, and relative humidity on leukocyte distribution: An epigenetic perspective. Environment International, 2019, 126, 395-405.	4.8	52
22	Educational note: addressing special cases of bias that frequently occur in perinatal epidemiology. International Journal of Epidemiology, 2021, 50, 337-345.	0.9	46
23	Traffic-related Air Pollution and Pregnancy Loss. Epidemiology, 2019, 30, 4-10.	1.2	45
24	The impact of source contribution uncertainty on the effects of source-specific PM2.5 on hospital admissions: A case study in Boston, MA. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 365-371.	1.8	44
25	Comparison of diagnoses of amyotrophic lateral sclerosis by use of death certificates and hospital discharge data in the Danish population. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2015, 16, 224-229.	1.1	42
26	Differential Distributed Lag Patterns of Source-Specific Particulate Matter on Respiratory Emergency Hospitalizations. Environmental Science & Technology, 2015, 49, 3830-3838.	4.6	41
27	Tropical cyclone exposure is associated with increased hospitalization rates in older adults. Nature Communications, 2021, 12, 1545.	5.8	39
28	Bias due to Selection on Live Births in Studies of Environmental Exposures during Pregnancy: A Simulation Study. Environmental Health Perspectives, 2021, 129, 47001.	2.8	38
29	Study of occupation and amyotrophic lateral sclerosis in a Danish cohort. Occupational and Environmental Medicine, 2018, 75, 630-638.	1.3	33
30	Use of Negative Control Exposure Analysis to Evaluate Confounding: An Example of Acetaminophen Exposure and Attention-Deficit/Hyperactivity Disorder in Nurses' Health Study II. American Journal of Epidemiology, 2019, 188, 768-775.	1.6	32
31	Powering Research through Innovative Methods for Mixtures in Epidemiology (PRIME) Program: Novel and Expanded Statistical Methods. International Journal of Environmental Research and Public Health, 2022, 19, 1378.	1.2	32
32	Fine Particle Exposure and Clinical Aggravation in Neurodegenerative Diseases in New York State. Environmental Health Perspectives, 2021, 129, 27003.	2.8	28
33	Association of Tropical Cyclones With County-Level Mortality in the US. JAMA - Journal of the American Medical Association, 2022, 327, 946.	3.8	28
34	Causal inference in the context of an error prone exposure: Air pollution and mortality. Annals of Applied Statistics, 2019, 13, 520-547.	0.5	27
35	Occupational formaldehyde and amyotrophic lateral sclerosis. European Journal of Epidemiology, 2017, 32, 893-899.	2.5	26
36	Fine particle sources and cognitive function in an older Puerto Rican cohort in Greater Boston. Environmental Epidemiology, 2018, 2, e022.	1.4	25

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37	Cardiovascular disease and diagnosis of amyotrophic lateral sclerosis: A population based study. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2016, 17, 548-554.	1.1	23
38	Part 1. Statistical Learning Methods for the Effects of Multiple Air Pollution Constituents. Research Report (health Effects Institute), 2015, , 5-50.	1.6	23
39	Exposures to Air Pollution and Risk of Acute-onset Placental Abruption. Epidemiology, 2018, 29, 631-638.	1.2	22
40	Early life and adolescent arsenic exposure from drinking water and blood pressure in adolescence. Environmental Research, 2019, 178, 108681.	3.7	22
41	Can ultra short-term changes in ambient temperature trigger myocardial infarction?. Environment International, 2020, 143, 105910.	4.8	22
42	A 1-km hourly air-temperature model for 13 northeastern U.S. states using remotely sensed and ground-based measurements. Environmental Research, 2021, 200, 111477.	3.7	22
43	Blood DNA methylation biomarkers of cumulative lead exposure in adults. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 108-116.	1.8	21
44	Parkinson€™s disease aggravation in association with fine particle components in New York State. Environmental Research, 2021, 201, 111554.	3.7	21
45	Erectile dysfunction and exposure to ambient air pollution in a nationally representative cohort of older men. Environmental Health, 2017, 16, 12.	1.7	20
46	Nationwide Study of Short-term Exposure to Fine Particulate Matter and Cardiovascular Hospitalizations Among Medicaid Enrollees. Epidemiology, 2021, 32, 6-13.	1.2	19
47	The associations of prenatal exposure to dioxins and polychlorinated biphenyls with neurodevelopment at 6ÂMonths of age: Multi-pollutant approaches. Environmental Research, 2022, 209, 112757.	3.7	17
48	The effect of primary organic particles on emergency hospital admissions among the elderly in 3 US cities. Environmental Health, 2013, 12, 68.	1.7	16
49	A new approach for inferring traffic-related air pollution: Use of radar-calibrated crowd-sourced traffic data. Environment International, 2019, 127, 142-159.	4.8	16
50	Source-Specific Volatile Organic Compounds and Emergency Hospital Admissions for Cardiorespiratory Diseases. International Journal of Environmental Research and Public Health, 2020, 17, 6210.	1.2	16
51	Environmental hazards, social inequality, and fetal loss: Implications of live-birth bias for estimation of disparities in birth outcomes. Environmental Epidemiology, 2021, 5, e131.	1.4	14
52	Risk for preeclampsia following exposure to PM2.5 during pregnancy. Environment International, 2021, 156, 106636.	4.8	14
53	An Epidemiologic Review of Menstrual Blood Loss as an Excretion Route for Per- and Polyfluoroalkyl Substances. Current Environmental Health Reports, 2022, 9, 29-37.	3.2	14
54	Concussion History and Cognitive Function in a Large Cohort of Adolescent Athletes. American Journal of Sports Medicine, 2018, 46, 3262-3270.	1.9	13

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55	Prenatal maternal phthalate exposures and child lipid and adipokine levels at age six: A study from the PROGRESS cohort of Mexico City. Environmental Research, 2021, 192, 110341.	3.7	13
56	The association between ambient temperature variability and myocardial infarction in a New York-State-based case-crossover study: An examination of different variability metrics. Environmental Research, 2021, 197, 111207.	3.7	13
57	Association of ambient PM2·5 exposure with maternal bone strength in pregnant women from Mexico City: a longitudinal cohort study. Lancet Planetary Health, The, 2020, 4, e530-e537.	5.1	12
58	Informatively empty clusters with application to multigenerational studies. Biostatistics, 2020, 21, 775-789.	0.9	11
59	Association between county-level coal-fired power plant pollution and racial disparities in preterm births from 2000 to 2018. Environmental Research Letters, 2021, 16, 034055.	2.2	10
60	Air pollution, methane super-emitters, and oil and gas wells in Northern California: the relationship with migraine headache prevalence and exacerbation. Environmental Health, 2021, 20, 45.	1.7	10
61	Unsupervised dimensionality reduction for exposome research. Current Opinion in Environmental Science and Health, 2020, 15, 32-38.	2.1	10
62	Age and mitochondrial DNA copy number influence the association between outdoor temperature and cognitive function. Environmental Epidemiology, 2020, 4, e0108.	1.4	8
63	Air Pollution and Risk of Placental Abruption: A Study of Births in New York City, 2008–2014. American Journal of Epidemiology, 2021, 190, 1021-1033.	1.6	8
64	Long-Term Exposure to Ultrafine Particles and Particulate Matter Constituents and the Risk of Amyotrophic Lateral Sclerosis. Environmental Health Perspectives, 2021, 129, 97702.	2.8	8
65	Prenatal maternal phthalate exposures and trajectories of childhood adiposity from four to twelve years. Environmental Research, 2022, 204, 112111.	3.7	8
66	Can weather help explain 'why now?': The potential role of hourly temperature as a stroke trigger. Environmental Research, 2022, 207, 112229.	3.7	8
67	Integrated causal-predictive machine learning models for tropical cyclone epidemiology. Biostatistics, 2023, 24, 449-464.	0.9	8
68	Racial/Ethnic Disparities in Nationwide PM2.5 Concentrations: Perils of Assuming a Linear Relationship. Environmental Health Perspectives, 2022, 130, .	2.8	8
69	Tampon use, environmental chemicals and oxidative stress in the BioCycle study. Environmental Health, 2019, 18, 11.	1.7	7
70	Opening a Large Delivery Service Warehouse in the South Bronx: Impacts on Traffic, Air Pollution, and Noise. International Journal of Environmental Research and Public Health, 2020, 17, 3208.	1.2	7
71	Mixed metals exposure and cognitive function in Bangladeshi adolescents. Ecotoxicology and Environmental Safety, 2022, 232, 113229.	2.9	7
72	Within-person reproducibility of red blood cell mercury over a 10- to 15-year period among women in the Nurses' Health Study II. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 219-223.	1.8	6

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73	Identifying Modifiable Risk Factors of Mental Health Disorders—The Importance of Urban Environmental Exposures. JAMA Psychiatry, 2019, 76, 569.	6.0	6
74	Reflection on modern methods: good practices for applied statistical learning in epidemiology. International Journal of Epidemiology, 2021, 50, 685-693.	0.9	6
75	Menstrual Products as a Source of Environmental Chemical Exposure: A Review from the Epidemiologic Perspective. Current Environmental Health Reports, 2022, 9, 38-52.	3.2	6
76	Data Science in Environmental Health Research. Current Epidemiology Reports, 2019, 6, 291-299.	1.1	5
77	Methodological Issues in Population-Based Studies of Multigenerational Associations. American Journal of Epidemiology, 2020, 189, 1600-1609.	1.6	5
78	Grandmothers' endocrine disruption during pregnancy, low birth weight, and preterm birth in third generation. International Journal of Epidemiology, 2022, 50, 1886-1896.	0.9	5
79	Wildfire particulate matter in Shasta County, California and respiratory and circulatory disease-related emergency department visits and mortality, 2013–2018. Environmental Epidemiology, 2021, 5, e124.	1.4	5
80	Air Pollution in American Indian Versus Non–American Indian Communities, 2000–2018. American Journal of Public Health, 2022, 112, 615-623.	1.5	5
81	Association Between Periconceptional Weight of Maternal Grandmothers and Attention-Deficit/Hyperactivity Disorder in Grandchildren. JAMA Network Open, 2021, 4, e2118824.	2.8	4
82	Methods for Evaluating Environmental Health Impacts at Different Stages of the Policy Process in Cities. Current Environmental Health Reports, 2022, 9, 183-195.	3.2	4
83	Evaluating the Impact of the Clean Heat Program on Air Pollution Levels in New York City. Environmental Health Perspectives, 2021, 129, 127701.	2.8	4
84	Development and validation of a method to quantify benefits of clean-air taxi legislation. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 629-640.	1.8	3
85	Short-term PM2.5 and cardiovascular admissions in NY State: assessing sensitivity to exposure model choice. Environmental Health, 2021, 20, 93.	1.7	3
86	Assessing neighborhood-scale traffic from crowd-sensed traffic data: Findings from an environmental justice community in New York City. Environmental Science and Policy, 2022, 133, 155-163.	2.4	3
87	Grandmaternal Diethylstilbestrol and Attention-Deficit/Hyperactivity Disorder in Children—Reply. JAMA Pediatrics, 2018, 172, 1204.	3.3	2
88	A Bayesian Multi-Outcome Analysis of Fine Particulate Matter and Cardiorespiratory Hospitalizations. Epidemiology, 2022, 33, 176-184.	1.2	0
89	107 Environmental Exposure to Metals Mixtures and the Outcome of Cognitive Function in Adolescents. Journal of Clinical and Translational Science, 2022, 6, 2-2.	0.3	0